

NOISE CONTROLS FOR PLANTS AND MILLS

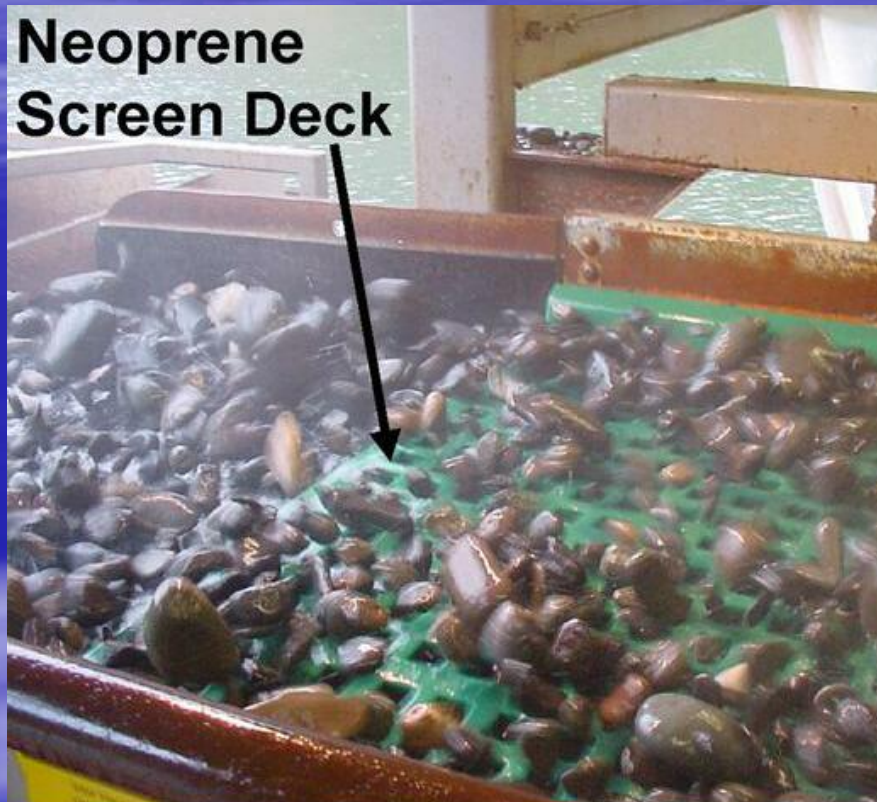
SOURCE PATH RECEIVER



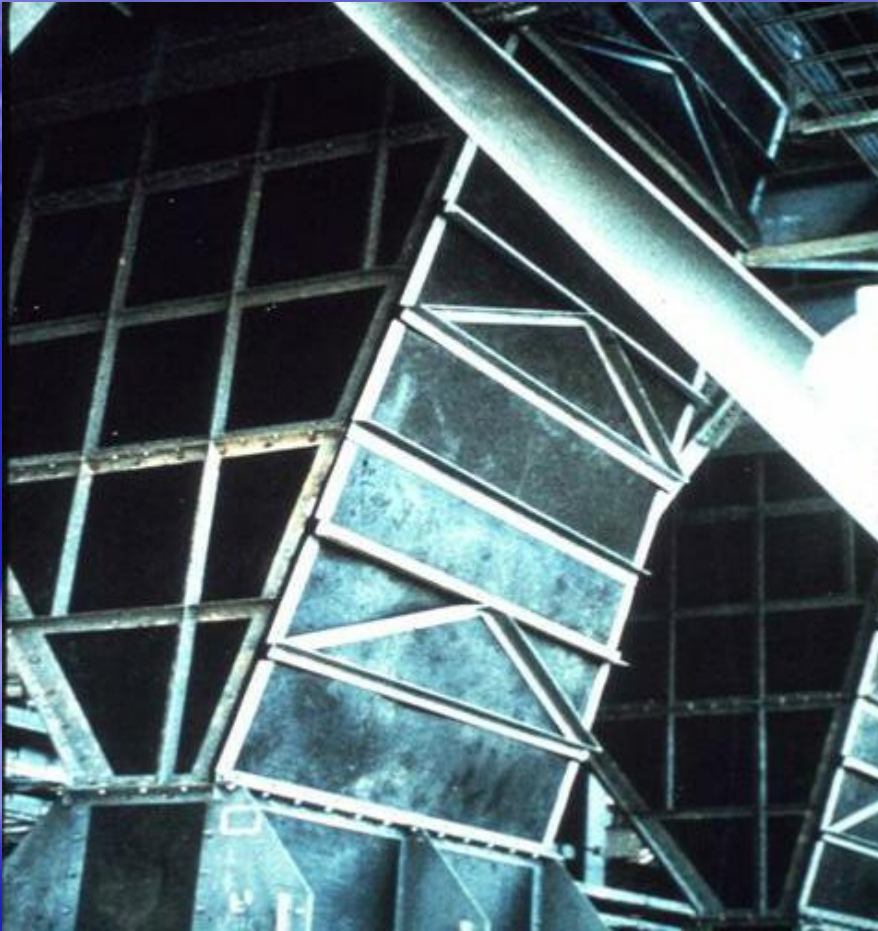
NOISE EXPOSURE CAN BE REDUCED BY:

- **APPLYING CONTROLS TO THE
SOURCE (S)**
- **BLOCKING THE PATH (S)**
- **ENCLOSING THE RECEIVER**
- **LIMITING THE EXPOSURE TIME**

RESILIENT SCREEN DECKING



TREATED HOPPERS & CHUTES

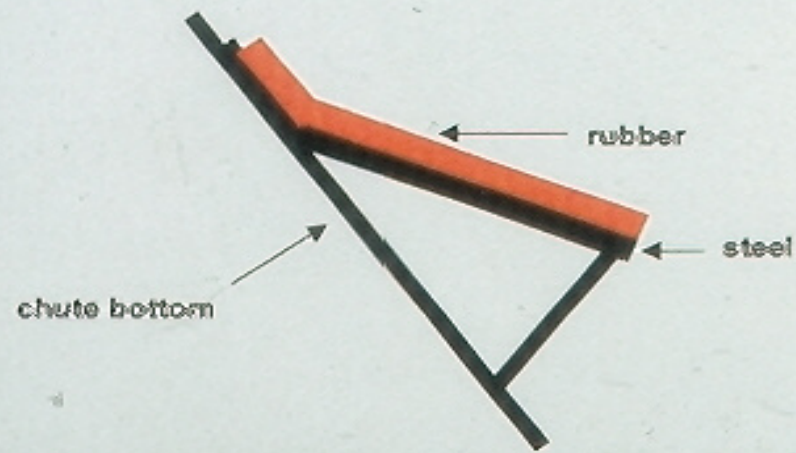
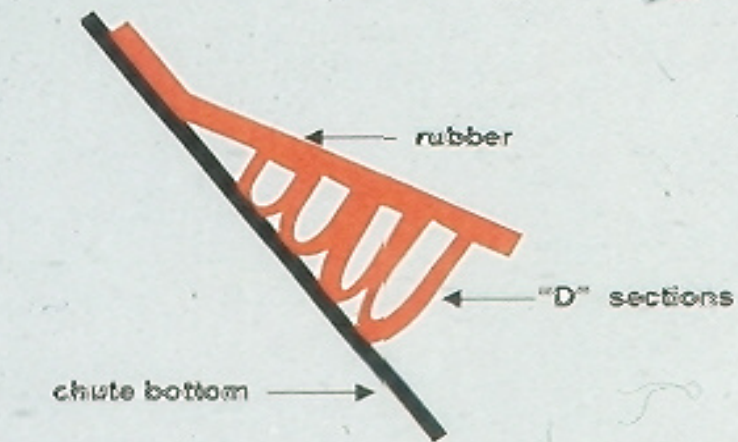


RESILIENT CRUSHER LINER AND FEED PLATE

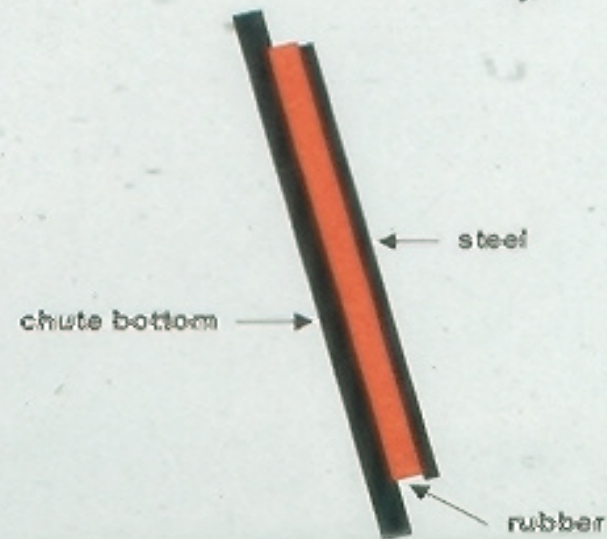
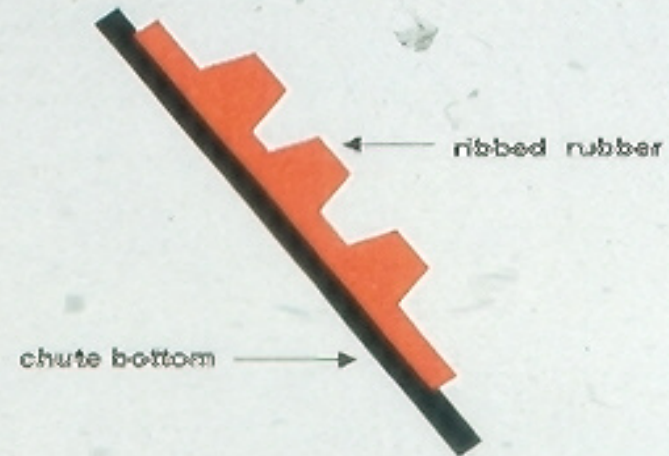


CHUTE LINERS

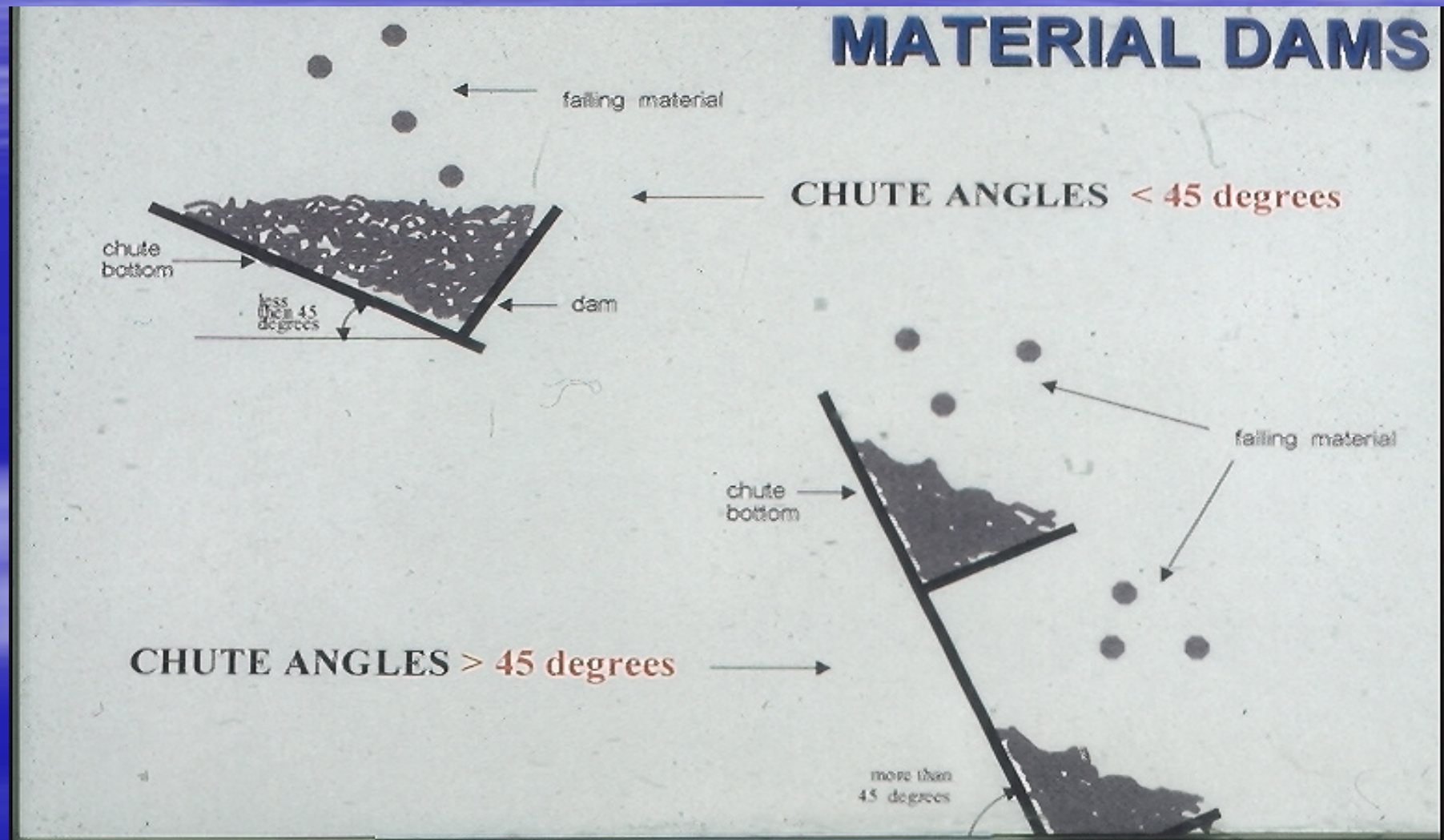
Impact angles 30 - 50 degrees



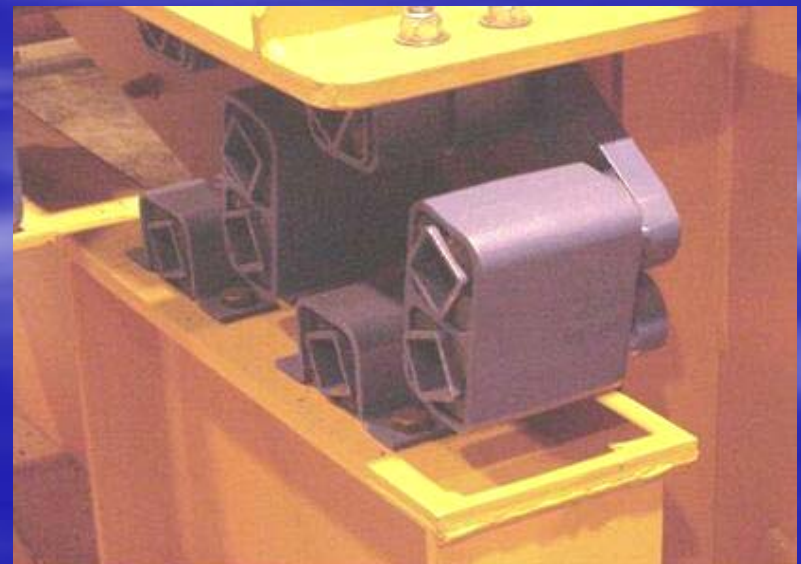
Impact angles 10 - 30 degrees



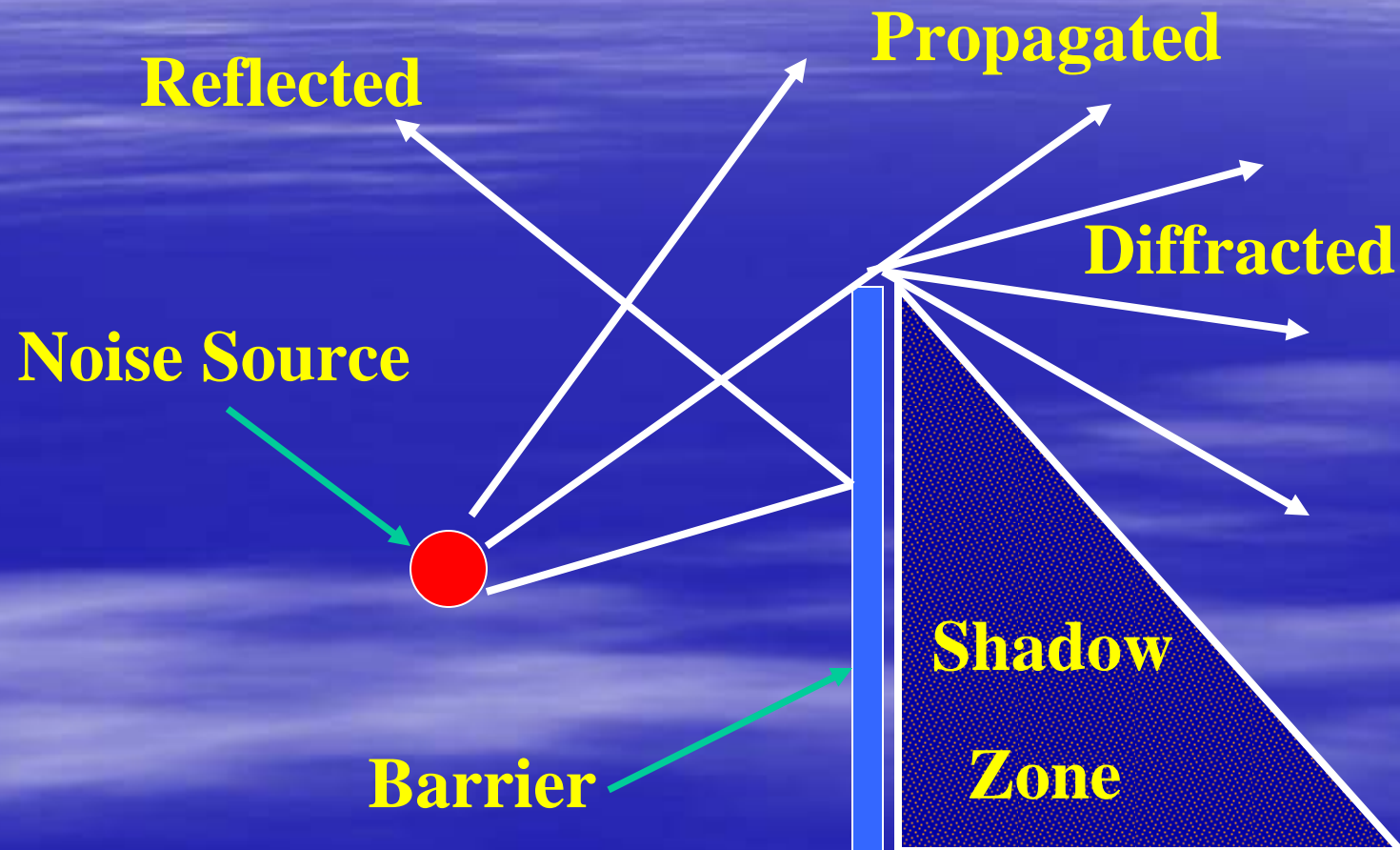
INSTALLATION OF CHUTE DAMS



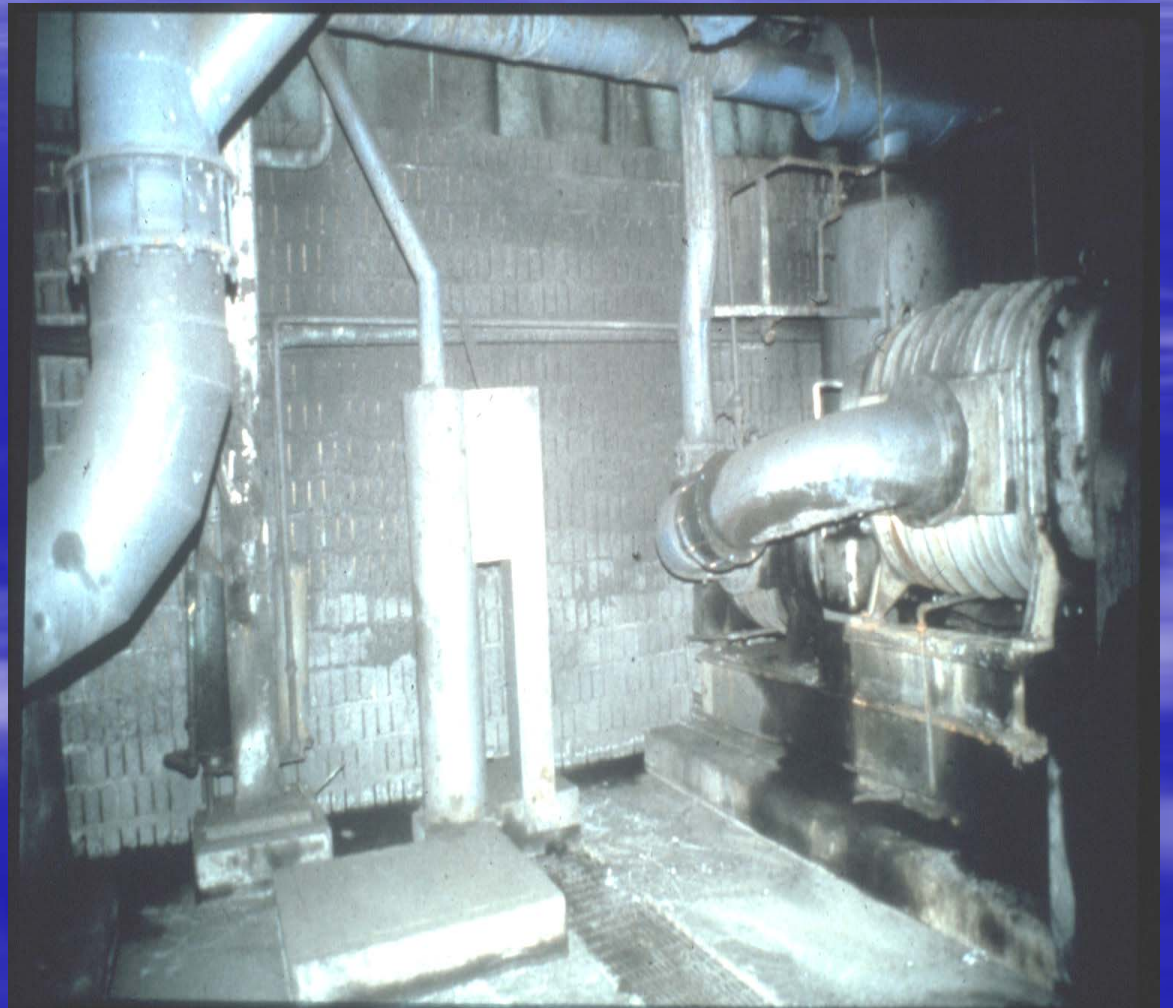
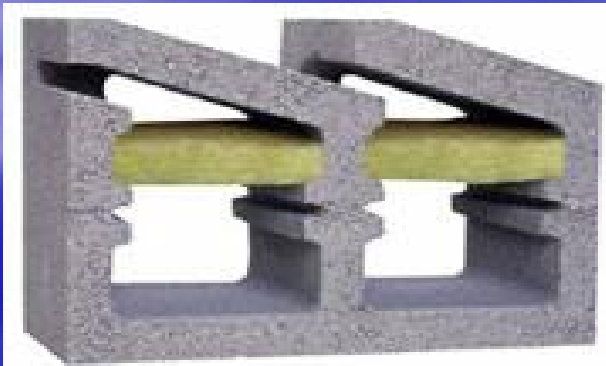
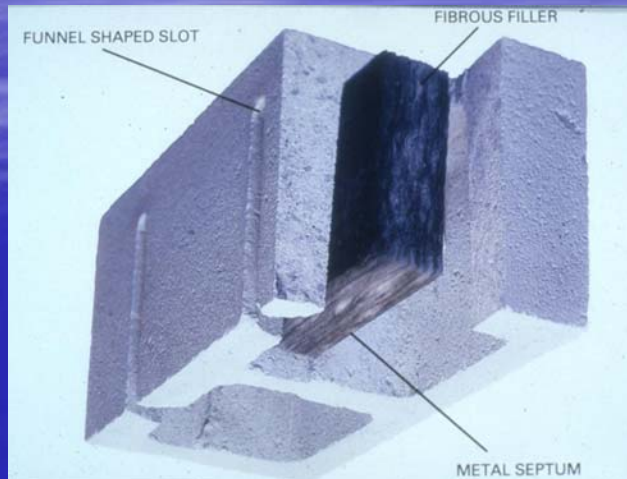
VIBRATION ISOLATION MOUNTS



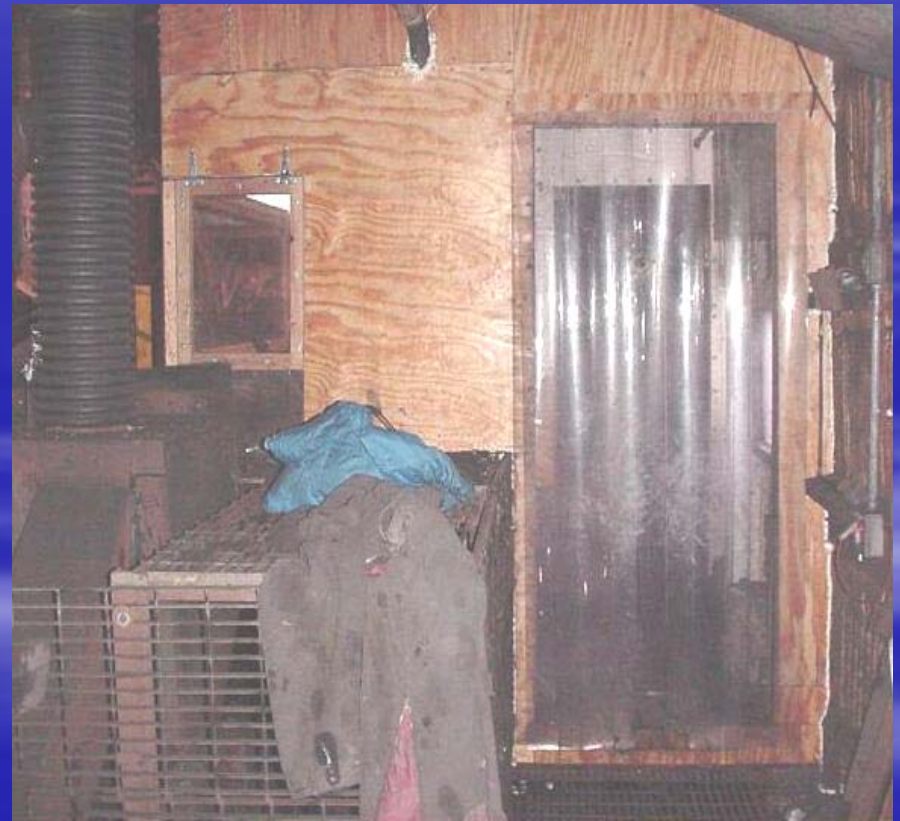
Barrier Concept



ACOUSTICAL BLOCK WALLS



STRIP CURTAIN BARRIERS REQUIRE A 30 TO 50 % OVERLAP



TRACK MOUNTED PANELS

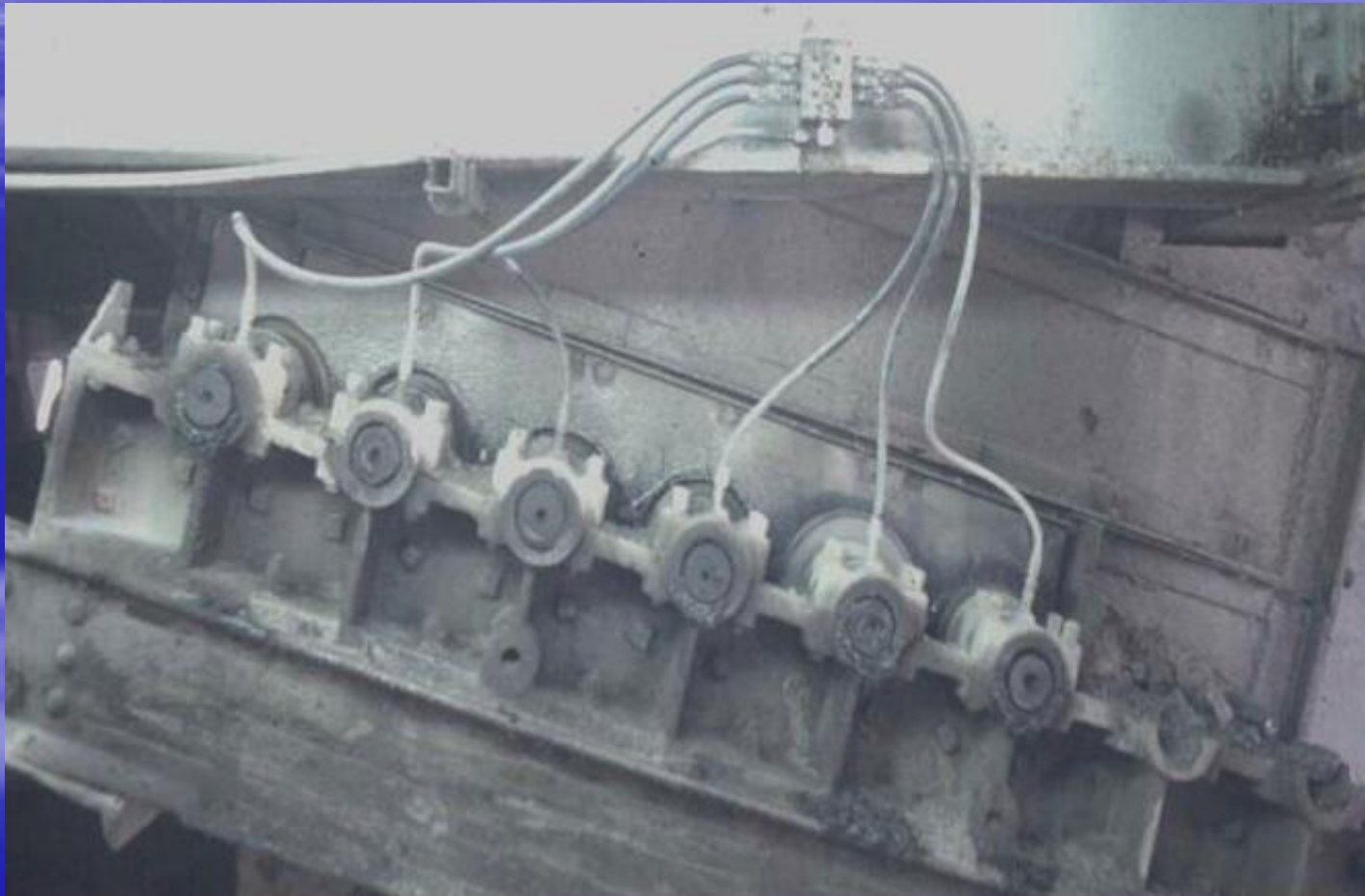


**THE FOLLOWING DEVICES
HELP TO REDUCE THE
AMOUNT OF TIME SPENT IN
HIGH NOISE AREAS THEREBY
LOWERING NOISE EXPOSURE**

CONVEYOR BELTING KEEPS MATERIAL ON THE SCREEN REDUCING CLEAN-UP TIME



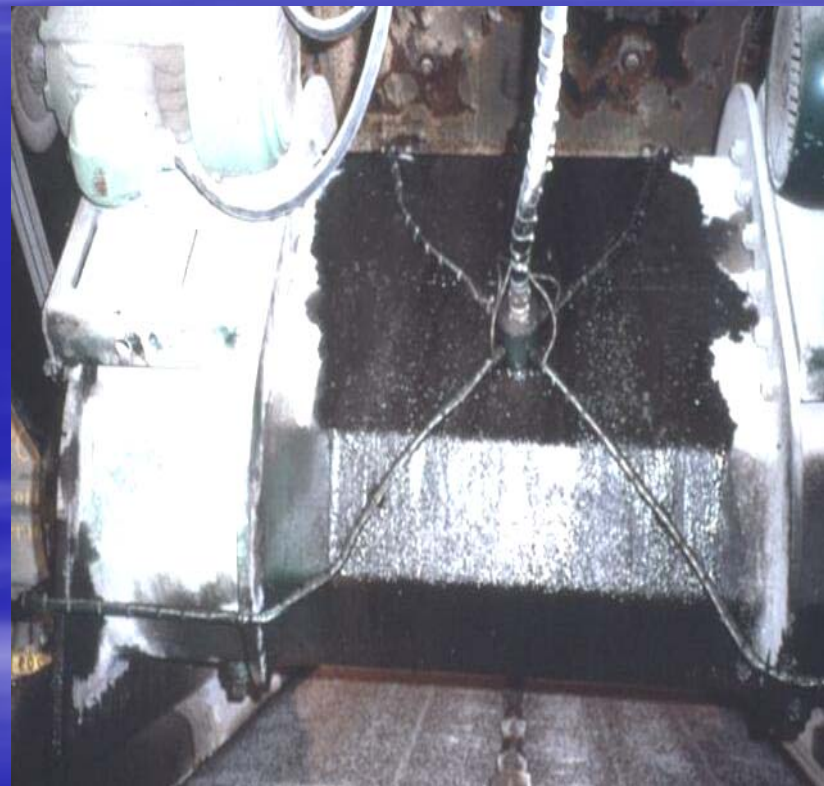
SINGLE LUBE POINTS HELP REDUCE EXPOSURE TIME



REMOTE CCTV MONITORING



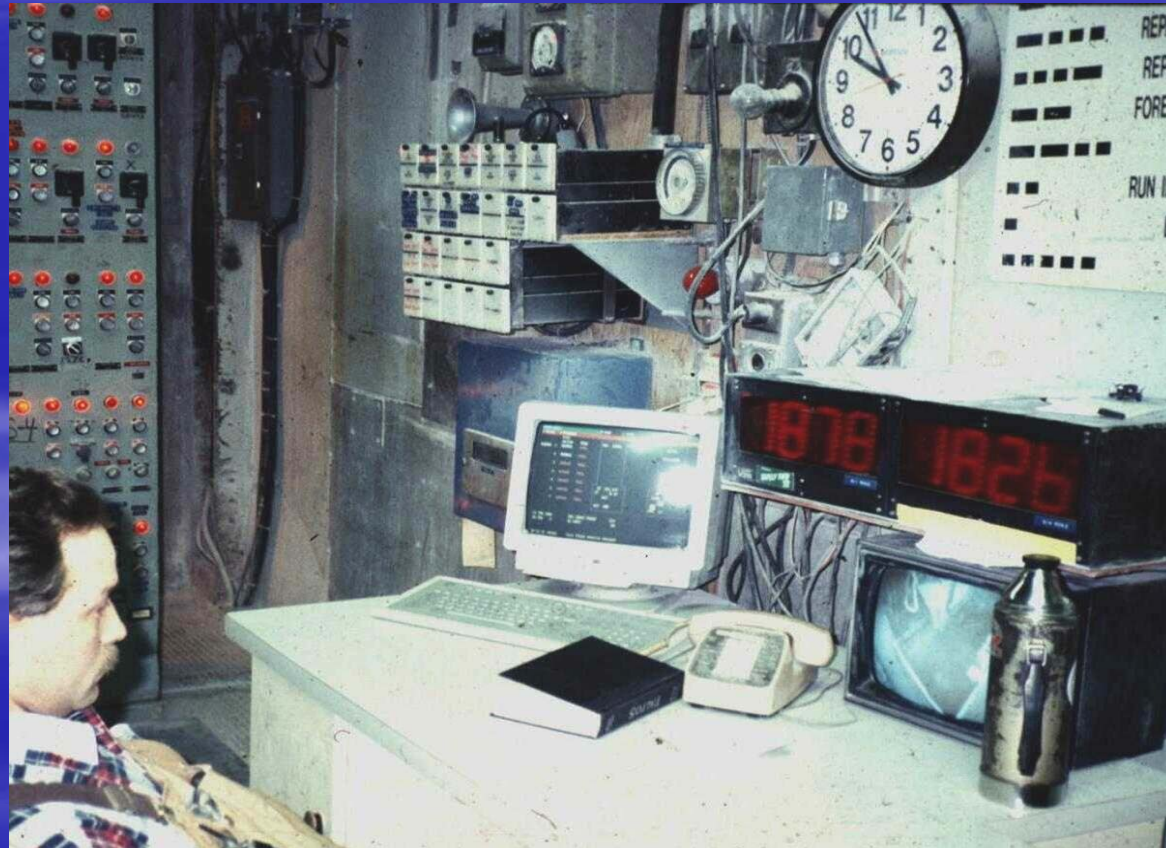
BEARING SENSORS



BIN LEVEL INDICATOR



MOST OF THESE DEVICES CAN BE MONITORED INSIDE AN OPERATOR'S CONTROL BOOTH



OPERATOR BOOTHS MUST PROVIDE ADEQUATE VISIBILITY



Maintain Your Noise Controls

- Screen decking and chutes should be inspected and replaced or repaired during down time if possible
- Barriers around mills and crushing equipment should be kept closed
- Windows and doors of control booths should be tightly sealed
- Remote sensors should be operational

Additional Resources

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PROGRAM INFORMATION BULLETIN NO. P04-18

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SUBJECT: Technologically Achievable, Administratively Achievable, and Promising Noise Controls (30 CFR Part 62)

Scope

This Program Information Bulletin (PIB) applies to all Mine Safety and Health Administration (MSHA) enforcement personnel, equipment manufacturers, coal, metal, and nonmetal mine operators, independent contractors, miners, miners' representatives, and other interested parties.

Purpose

The purpose of this PIB is to provide guidance to operators, miners, miners' representatives, contractors, and equipment manufacturers on technologically and administratively achievable engineering and administrative noise controls. This document also identifies those engineering and administrative noise controls which offer promise for further investigation.

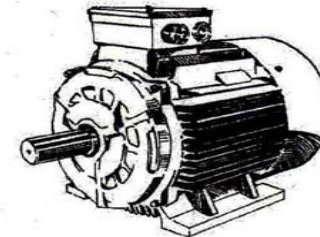
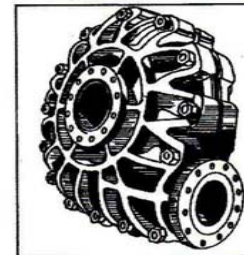
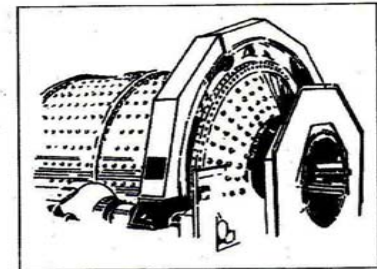
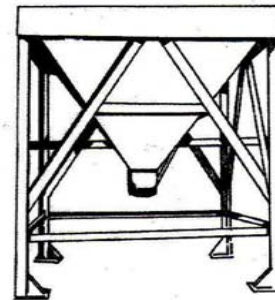
Information

The performance-oriented noise standards in 30 CFR Part 62 equate administrative and

Noise Control Resource Guide - Mills and Preparation Plants



U. S. Department of Labor
Mine Safety and Health Administration



www.msha.gov/1999noise/Guides/MillPreptotalFinal.pdf



***Daddy's Home ©
By Wayne Collett***

**Your children can whisper to you now,
Don't make them shout at you in the future**